



国的系统实力和人

国際出願番号 PCT/IP02/12708

指性についての法第12条(P(CT35条(2)) に定める見解、	それを裏付ける
請求の範囲	1-7, 12 9-11, 13, 14	
請求の範囲	1-7, 12 9-11, 13, 14	
請求の範囲 請求の範囲	1-7, 9-14	
	前来の範囲 前来の範囲 前来の範囲 前来の範囲	請求の範囲 9-11, 13, 14

2. 文献及び説明 (PCT規則70.7)

文献I:SUN, D. et al, Drug inhibition of Gly-Sar uptake and hPepTl localization using hPepTl-GFP fusion protein, AAPS PharmaSci[online], 2001.01.11, Vol. 3, No. 1, EZ, Retrieved from the Internet: CURL:http://www.aa pspharmsci.org/view.asp?path=ps0301¥ps030102¥ps030102.xml&pdf=yes>文献Z:SAI, Yoshimichi et al, Immunolocalization and pharmacological relevance of oligopeptide transporter PepTl in intestinal absorption of β-lactam antibiotics, FEBS Letters, 1996, Vol. 392, No. 1, pp25-29

新規性及び進歩性について

請求の範囲9-11,13,14について

文献には、ヒト由来のPepTlに結合する抗体が記載されている (Material and Met

hods)。 ここで、本願明細書の第4頁の「本発明の細胞増殖抑制剤に含有される抗体はPepTと結合する限り特に制限はない」との記載を考慮すると、PepTに結合する抗体であれば全て細胞増殖抑制作用を有していると認められるので、文献1に記載の抗体もまた、当該作用を有しているものと推認される。

た、日曜1Fわなりしているのができませる。 したがって、本願の前求の範囲9-11,13,14に係る発明は、文献1に記載されたものであるので、新規性及び進歩性を有しない。

請求の範囲9-11.14について

文統2には、PepTiのC末端領域に結合する抗体が記載されている(Material and Methods)。 したがって、本願の譜跡なの範囲9-11,14に係る発明は、文献2に記載されたものであるので、新規性及び進歩性を有しない。

請求の範囲1-7,12について

で、 文献、及び2には、PepTに結合する抗体が細胞増殖抑制作用を有すること、及びPepT の細胞外領域に特異的に結合する抗体は記載がされていない。またそれらは当業者に 自明であるとも認められない、よって本順の請求の範囲1-7,12に係る発明は、国際調 査報告に挙げたいずれの文献によっても新規性、進歩性は否定されない。





COPY SUSMITTED IN IDS

PCT INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference C1-A0114P	FOR FURTHER ACTION	SeeNotificati Examination	ionofTransmittalofInternational Preliminary Report (Form PCT/IPEA/416)	
International application No.	International filing date (day/n		Priority date (day/month/year)	
PCT/JP02/12708	04 December 2002 (04	4.12.02)	04 December 2001 (04.12.01)	
International Patent Classification (IPC) or n A61K 39/395, A61P 35/00, 43/0				
Applicant CH1	JGAI SEIYAKU KABUS	HIKI KAIS	НА	
 This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36. 				
2. This REPORT consists of a total of	5 sheets, including	g this cover st	neet.	
This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).				
These annexes consist of a to	al ofsheets.			
This report contains indications relat	ing to the following items:			
I Sasis of the report				
II Priority	II Priority			
III Non-establishment o	f opinion with regard to novelty	, inventive ste	p and industrial applicability	
IV Lack of unity of inve	IV Lack of unity of invention			
V Reasoned statement citations and explana	V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
VI Certain documents of	VI Certain documents cited			
VII Certain defects in the	VII Certain defects in the international application			
VIII Certain observations on the international application				
Date of submission of the demand	Date of	completion of	this report	
04 December 2002 (04.12.02)		-	ugust 2003 (12.08.2003)	
Name and mailing address of the IPEA/JP		zed officer		
Facsimile No.	Telepho	ne No.		

_c(PY SUBMITTED	IN	ı
In	onal application No.	٦	
	DCT/TD00/10700	- 1	

Ŀ	I. Basis of the report			
Ī	. Wit	h rega	rd to the elements of the international application:*	
	\boxtimes	the	international application as originally filed	
			description:	
		pag	es as originally filed	
		pag		
		pag		
		the	claims:	
		pag	PC .	
		pag	es , as amended (together with any statement under Article 19	
		page		
		page		
		the	drawings:	
		page	ne .	
		page	, as originally filed , filed with the demand	
		page	, filed with the letter of	
	\Box	the cer	quence listing part of the description:	
	_	page		
		page	, as originally filed	
		page	, filed with the demand	
_			, filed with the letter of	
2.		the l	d to the language, all the elements marked above were available or furnished to this Authority in the language in which its cloud application was filed, unless otherwise niciotated under this lives means were available or furnished to this Authority in the following language which is: anguage of a translation furnished for the purposes of international search (under Rule 23.1(b)), anguage of publication of the international application (under Rule 48.3(b)). language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/	
3.	With	0. 5.	3.3).	
	preli	,	rd to any nucleotide and/or amino acid sequence disclosed in the international application, the international examination was carried out on the basis of the sequence listing:	
	H		ained in the international application in written form.	
	H		together with the international application in computer readable form.	
	H		ished subsequently to this Authority in written form.	
	H		shed subsequently to this Authority in computer readable form.	
		mich	statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the national application as filed has been furnished.	
	Ш	The bccn	statement that the information recorded in computer readable form is identical to the written sequence listing has furnished.	
١.		The a	amendments have resulted in the cancellation of:	
			the description, pages	
			the claims, Nos.	
			the drawings, sheets/fig	
1	_	This -		
.		,	eport has been established as if (some of) the amendments had not been made, since they have been considered to go d the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**	
6	ın d 70). <i>17</i>).	t sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to et as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16	
٠,	iny re	placer	nent sheet containing such amendments must be referred to under tiem I and annexed to this report	



II. Non-establishment of opinion with regard to nevelty, inventive step and industrial applicability			
 The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of: 			
the entire international application.			
Claims Nos			
because:			
the said international application, or the said claims Nos. 8 relate to the following subject matter which does not require an international preliminary examination (specify):			
The subject matter of claim 8 relates to a method for treatment of the human body by therapy, which of require an international preliminary examination by the International Preliminary Examining Authority is coordance with PCT Article 34 (4)(a)(i) and PCT Rule 67.1(iv).			
•			
1			
the description, claims or drawings (indicate particular elements below) or said claims Nos			
· · · · · · · · · · · · · · · · · · ·			
the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.			
no international search report has been established for said claims Nos.			
LN .			
A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino a sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:			
the written form has not been furnished or does not comply with the standard.			
the computer readable form has not been furnished or does not comply with the standard.			

V. Lack of unity of invention
1. In response to the invitation to restrict or pay additional fees the applicant has:
restricted the claims.
paid additional fees.
paid additional fees under protest.
neither restricted nor paid additional fees.
2. This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.
3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is
complied with.
not complied with for the following reasons:
The subject matter of claim 1 of the present application is considered to be "a cell proliferation inhibitor ontaining an antibody bound to PepT and having cytotoxic activity." A matter common to the subject matters of claims 1-7 of the present application and to the subject matter of claims 9-1a is considered to be "an antibody bound to PepT," but as described in the following locuments, the said antibody is publicly known. So, the said constitution is not considered to be a nayor matter of the present invention. It is not considered to be a major matter of the present invention. It is not considered either that both the groups of claims are intended to solve a technically common roblem not solved till the present application was filed. Therefore, the subject matters of claims 9-14 of the present application and the subject matters of claims -7 are not considered to be a group of inventions so linked as to form a single general inventive concept.
 Consequently, the following parts of the international application were the subject of international preliminary examination in establishing this report:
all parts.
the parts relating to claims Nos



V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;

citations and expanations supporting such statement			
Statement			
Novelty (N)	Claims	1-7, 12	YES
	Claims	9-11, 13, 14	NO
Inventive step (IS)	Claims	1-7, 12	YES
	Claims	9-11, 13, 14	NO
Industrial applicability (IA)	Claims	1-7, 9-14	YES
	Claims		NO

2. Citations and explanations

Document 1: "Drug Inhibition of Gly-Sar Uptake and hPepT1 Localization Using hPepT1-GFP Fusion Protein," (D. Sun, et al.), AAPS pharmaSci [online], 11 January, 2001 (1.10.10.1), Vol. 3, No. 1, E2, Retrieved from the Internet: URL:http://www.aapspharmsci.org/view.asp/path=ps0301/ps030102/ps030102xm1&pdf-yes Document 2: "Immunolocalization and Pharmacological Relevance of Oligopeptide Transporter PepT1 in Intestinal Absorption of β-lactam Antibiotics," (Yoshimichi Sai, et al.), FEBS Letters, 1996, Vol. 392, No. 1, pages 25-29

Novelty and Inventive Sten:

Claims 9-11, 13 and 14

Document 1 describes an antibody bound to human-derived PepT1 (Material and Methods). Considering the description on page 4 of the specification of the present application, "the antibody contained in the cell proliferation inhibitor of the present invention is not especially limited as far as it can be

bound to PepT," since it is considered that all the antibodies bound to PepT have cell proliferation inhibitory action, the antibody described in document I can also be estimated to have the said action.

Therefore, the subject matters of claims 9-11, 13 and 14 do not appear to be novel or to involve an

inventive step, since they are described in document 1.

Claims 9-11 and 14

Document 2 describes an antibody bound to the C-terminal region of PepT1 (Material and Methods). Therefore, the subject matters of claims 9-11 and 14 of the present application do not appear to be novel or to involve an inventive step, since they are described in document 2.

Claims 1-7 and 12

Documents 1 and 2 describe neither that an antibody bound to PepT has cell proliferation action, nor an antibody specifically bound to the extracellular region of PepT. These constitutions are not considered to be obvious to a person skilled in the art either. So, the subject matters of claims 1-7 and 12 appear to be novel and to involve an inventive step in view of the documents cited in the ISR.